ABSTRACT OF THE DISCLOSURE

A storage data reconstruction system including: a plurality of storage units for storing therein striped data, the plural independent storage units forming a set; discs for storing therein ECC data corresponding to the striped data; a spare storage unit for storing therein, the reconstructed data; an I/Oreconstruction control circuit; a timer; a data reconstructing table for the storage unit, at fault; and a circuit for reconstructing faulty data. When a failure occurs in any of the storage units, the failure is detected by an error check, a state of the failure is discriminated, the preferred processing suitable for the state of the failure is selected out of processing of normal access or read/write, and data reconstruction processing, and the selected processing is carried put, or the processing to carry out the selected processing, or the frequency of the processing of the normal access or read/write and the data reconstruction processing, or the ratio of the processing amount is set. The time taken to reconstruct the faulty data does not exceed a fixed period of time.